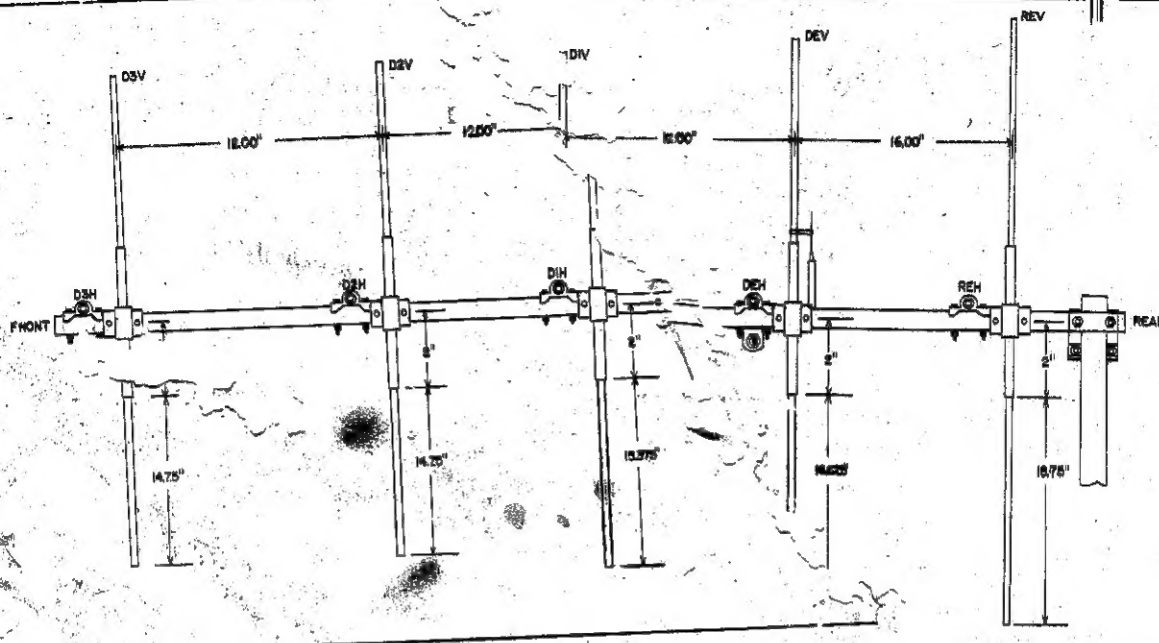
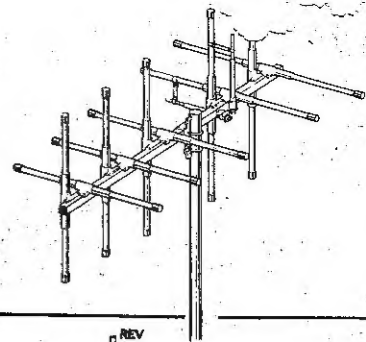


STINGER **A2+2**

FINCO STINGER AMATEUR **BAND RADIO ANTENNA** **INSTRUCTION MANUAL**



DESCRIPTION

Model Stinger A2+2 is a ten element, dual polarization antenna designed for use in the 144 to 148 MHz, 2 meter band for OSCAR communications or where switching from horizontal to vertical polarization is required. The A2+2 can be phased to operate both horizontal and vertical polarization and circular polarization at the same time. This is ideal for OSCAR work but good for station over-ground communications.

Linear element spacing gives the A2+2 superior gain, since it is a fine element beam in one given plane, the beam width does not make satellite tracking difficult, sharp directivity. The dual gamma match as well as a very low V.S.W.R. and will withstand 2000

aluminum tubing is used for all elements plus an high tensile strength square boom for maximum ease of assembly. Provisions are made for mounting at the end of the boom - for azimuth control - or of the boom for normal applications.

SPECIFICATIONS

Gain	9.5 dB
Ratio	10.5 dB
Beam Width	22 dB
Polarization	52°
	58°
ization	58°
	52°

Circular Polarization

E Plane	52°
H Plane	52°
Bandwidth	144 to 148 MHz
Impedance	50 ohms
Matching System	Adjustable Gamma

MECHANICAL

Boom Length	5.5ft.
Longest Element	41.5"
Turning Radius	
End Mount	
Center Mount	5.0ft.
Maximum Surface Area	4 ft.
Wind Load at 80 mph	4 ft.
Weight	lbs.

WARNING!

The following steps will include assembly and installation. Survey your installation site NOW to preclude your antenna or support from coming in contact with overhead power lines. FAILURE TO EXERCISE THIS CAUTION CAN CAUSE ELECTROCUTION.

ASSEMBLY

ASSEMBLY - Refer to section

ELEMENT TO element place (REV/REH) as shown. Use and 1/4-20 hex nuts for As shown in Figure 2, and gamma arm bracket to